



3724

PATENT

Attorney Docket No. A-68359-1/RMA/JML
Dorsey File No. 469113-41

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MALONEY et al.

U.S. Serial No.: 10/027,935

Filing Date: December 21, 2001

For: *Apparatus and Method for Chemical-Mechanical Polishing (CMP) Head Having Direct Pneumatic Wafer Polishing Pressure*

Examiner: Timothy V. Eley

Art Unit: 3724

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450 on April 28, 2004.

Signed:

Joyce E. Abriam
Joyce Abriam

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/8A-B.

Further, this application is a divisional of U.S. Application Serial No. 09/390,142, filed September 3, 1999 (now Patent No. 6,368,189), which is a continuation of Application Serial No. 09/294,547, filed April 19, 1999 (now Patent No. 6,309,290), which is a continuation-in-part of Application Serial No. 09/261,112, filed March 3, 1999 (now Patent No. 6,231,428). The references cited on the accompanying substitute for form PTO/SB/8A-B marked without an

U.S. Serial No.: 10/027,935
Filing Date: December 21, 2001

asterisk (*) were previously disclosed in the above-mentioned applications and in accordance with 37 C.F.R. § 1.98(d), no copies of these references are enclosed.

None of the foregoing references is believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required.

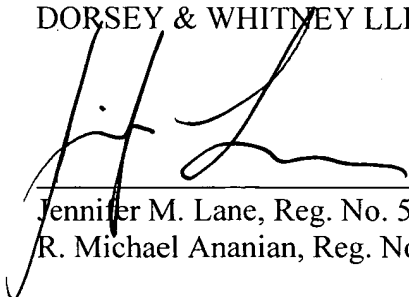
While no fee is believed to be due, if this belief is in error the Commissioner is authorized to charge any additional fees, including extension fees or other relief which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 469113-41 [A-68359-1/RMA/JML]).

U.S. Serial No.: 10/027,935
Filing Date: December 21, 2001

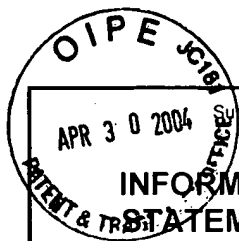
Please direct any calls in connection with this application to the undersigned at (415)
781-1989.

Respectfully submitted,
DORSEY & WHITNEY LLP

Dated: April 28, 2004
Dorsey & Whitney LLP
Intellectual Property Department
Four Embarcadero Center, Suite 3400
San Francisco, CA 94111-4187
Telephone: (415) 781-1989
Facsimile: (415) 398-3249

BY: 
Jennifer M. Lane, Reg. No. 51,916 for
R. Michael Ananian, Reg. No. 35,050
Customer Number: **32940**

Attachments:
Return receipt postcard
Form PTO/SB/8A-B (4 pgs.)
Five (5) references



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/027,935	
			Filing Date	December 21, 2001	
			First Named Inventor	Gerard S. MALONEY	
			Art Unit	3724	
			Examiner Name	Timothy V. Eley	
Sheet	1	of	4	Attorney Docket Number	A-68359-1/RMA/JML (469113-41)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	3,579,916	05-25-1971	Boetteber	
	A2	3,631,634	01-04-1972	Weber	
	A3	3,841,028	10-15-1974	Katzke	
	A4	4,081,928	04-04-1978	Kinnebrew et al.	
	A5	4,270,316	06-02-1981	Krämer et al.	
	A6	4,519,168	05-28-1985	Cesna	
	A7	4,680,893	07-21-1987	Cronkhite et al.	
	A8	4,918,869	04-24-1990	Kitta	
	A9	4,918,870	04-24-1990	Torbert et al.	
	A10	4,954,142	09-04-1990	Carr et al.	
	A11	5,205,082	04-27-1993	Shendon et al.	
	A12	5,212,910	05-25-1993	Breivogel et al.	
	A13	5,216,843	06-08-1993	Breivogel et al.	
	A14	5,443,416	08-22-1995	Volodarsky et al.	
	A15	5,527,209	06-18-1996	Volodarsky et al.	
	A16	5,547,417	08-20-1996	Breivogel et al.	
	A17	5,554,064	09-10-1996	Breivogel et al.	
	A18	5,651,724	07-29-1997	Kimura et al.	
	A19	5,679,065	10-21-1997	Henderson	
	A20	5,582,534	12-10-1996	Shendon et al.	
	A21	5,554,751	12-17-1996	Kobayashi et al.	
	A22	5,582,534	12-10-1996	Shendon et al.	
	A23	5,584,751	12-17-1996	Kobayashi et al.	
	A24	5,624,299	04-29-1997	Shendon	
	A25	5,635,083	06-03-1997	Breivogel et al.	
	A26	5,643,053	07-01-1997	Shendon et al.	
	A27	5,651,724	07-29-1997	Kimura et al.	
	A28	5,681,215	10-28-1997	Sherwood et al.	
	A29	5,738,574	04-14-1998	Tolles et al.	
	A30	5,775,983	07-07-1998	Shendon et al.	
	A31	5,803,799	09-08-1998	Volodarsky et al.	
	A32	5,820,448	10-13-1998	Shamouillian et al.	
	A33	5,857,899	01-12-1999	Volodarsky	
	A34	5,941,758	08-24-1999	Mack	

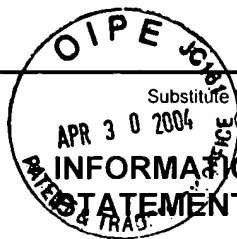
Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and selection option 2



<p>Substitute for form 1449A/PTO (Modified)</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>			Complete if Known		
			Application Number	10/027,935	
			Filing Date	December 21, 2001	
			First Named Inventor	Gerard S. MALONEY	
			Art Unit	3724	
			Examiner Name	Timothy V. Eley	
Sheet	2	of	4	Attorney Docket Number	A-68359-1/RMA/JML (469113-41)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A35	5,980,361	11-09-1999	Müller et al.	
	A36	6,019,670	02-01-2000	Cheng et al.	
	A37	6,024,630	02-15-2000	Shendon et al.	
	A38	6,033,292	03-07-2000	Inaba	
	A39	6,077,151	06-20-2000	Black et al.	
	A40	6,093,089	07-25-2000	Chen et al.	
	A41	6,093,091	07-25-2000	Keller	
	A42	6,110,025	08-29-2000	Williams et al.	
	A43	6,113,480	09-05-2000	Hu et al.	
	A44	6,116,992	09-12-2000	Prince	
	A45 *	6,231,428 B1	05-15-2001	Maloney et al.	
	A46 *	6,309,290 B1	10-30-2001	Wång et al.	
	A47 *	6,368,189 B1	04-09-2002	Maloney et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1	EP 0 383 910 A1	08-29-1990			
	B2	EP 0 548 846 A1	06-30-1993			
	B3	EP 0 747 167 A2, A3	12-11-1996			
	B4	EP 0 791 431 A1	08-27-1997			
	B5	EP 0 881 039 A2	12-02-1998			
	B6	EP 2 307 342 A	05-21-1997			
	B7	UK 2 058 618 A	04-15-1981			
	B8	UK 2 315 694 A ~	02-11-1998			
	B9	UK GB205818 A	04-15-1991			
	B10	UK GB2079532 A	01-20-1982			
	B11	JP 59-19671	02-01-1984			
	B12	JP 60-129522	03-10-1987			

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and selection option 2



A-68359-1/RMA/JML (469113-41)

"Lapping apparatus" (Abstracts of Japan, Vol. 7, no. 102, April 30, 1983)

1141793_1